

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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BRADENHEAD TEST REPORT

Step 1. Record all tubing and casing pressures as found. Step 2. Sample now. If intermediate or surface casing pressure > 25 psi. In sensitive areas, 1 psi.
Step 3. Conduct Bradenhead casing. Step 4. Conduct intermediate casing test. Step 5. Send report to BLM within 3 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration has changed since prior program. Attach gas and liquid analyses if sampled.

1. OGCC Operator Number: 10110 3. BLM Lease No: _____
 2. Name of Operator: GREAT WESTERN OPERATING COMPANY LLC
 4. API Number; 05-001-10462-00 5. Multiple completion? ☐ Yes ☐ No
 6. Well Name: Rio LC Number: 12-368HC
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW,6,1S,67W,6
 8. County ADAMS 9. Field Name: WATTENBERG
 10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 12/02/2019
 12. Well Status: ☒ Flowing
☐ Shut In ☐ Gas Lift
☐ Pumping ☐ Injection
☐ Clock/Intermitter
☐ Plunger Lift
 13. Number of Casing Strings:
☒ Two ☐ Three ☐ Liner?

14. EXISTING PRESSURES

Record all pressures as found	Tubing: _____	Tubing: <u>1311</u>	Prod Csg <u>1747</u>	Intermediate	Surf. Csg
	Fm: _____	Fm: _____	Fm: _____	Csg: _____	<u>5</u>

BRADENHEAD TEST

Buried valve? ☐ Yes ☒ No
 Confirmed open? ☒ Yes ☐ No
 With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals Define characteristics of flow in "Bradenhead Flow" column using letter designations below:
 O = No Flow; C = Continuous; D = Down to 0; V = Vapor
 H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:
00:00	<input type="checkbox"/>	<input type="checkbox"/> 1311	<input type="checkbox"/> 1747		D
05:00	<input type="checkbox"/>	<input type="checkbox"/> 1307	<input type="checkbox"/> 1746		O
10:00	<input type="checkbox"/>	<input type="checkbox"/> 1302	<input type="checkbox"/> 1745		O
15:00	<input type="checkbox"/>	<input type="checkbox"/> 1298	<input type="checkbox"/> 1743		O
20:00	<input type="checkbox"/>	<input type="checkbox"/> 1302	<input type="checkbox"/> 1745		O
25:00	<input type="checkbox"/>	<input type="checkbox"/> 1311	<input type="checkbox"/> 1746		O
30:00	<input type="checkbox"/>	<input type="checkbox"/> 1320	<input type="checkbox"/> 1748		O

BRADENHEAD SAMPLE TAKEN?
☐ Yes ☒ No ☐ Gas ☐ Liquid
 Character of Bradenhead fluid: ☐ Clear ☐ Fresh
☐ Sulfur ☐ Salty ☐ Black
 Other:(describe) _____
 Sample cylinder number: _____

Instantaneous Bradenhead PSIG at end of test: > 0

INTERMEDIATE CASING TEST

Buried valve? ☐ Yes ☐ No
 Confirmed open? ☐ Yes ☐ No
 With gauges monitoring production, intermediate casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals Characterize flow in "Intermediate Flow" column using letter designations below:
 O = No Flow; C = Continuous; D = Down to 0; V = Vapor
 H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:
00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
05:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
15:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
20:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
25:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
30:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

INTERMEDIATE SAMPLE TAKEN?
☐ Yes ☐ No ☐ Gas ☐ Liquid
 Character of Intermediate fluid: ☐ Clear ☐ Fresh
☐ Sulfur ☐ Salty ☐ Black
 Other:(describe) _____
 Sample cylinder number: _____

Instantaneous Intermediate Casing PSIG at end of test: >

Comments: Test after DOFP/NTQ. Blew dead < 5 secs. BH dead

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Test Performed By: Casey Weninger Title: Contractor Phone: ()

Signed: Casey Weninger Title: Contractor Date: 12/4/2019

Witnessed By: _____ Title: _____ Agency: _____